

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. 0390112

PATENT

In re application:
PETER J. JESSUP ET AL.

Examiner Helene Myers
Art Unit: 1106

Serial No. 08/409,074
Filed: March 22, 1995

GASOLINE FUEL

Assistant Commissioner For Patents
Washington, D. C. 20231

Dear Sir:

~~EXAMINER'S~~
COPY
FILED
9-15-95

AMENDMENT

Prior to the next Office Action, please amend the claims
of the above-identified patent application as follows:

181. (Thrice Amended) A method for operating an
automotive vehicle having a spark-induced, internal combustion
engine and a catalytic converter to yield a reduced amount of NOx,
CO, or unburned hydrocarbons as compared to combusting fuel A/O AVE
5 in said engine, the method comprising:

(1) introducing into the engine an unleaded gasoline
suitable for combustion in an automotive engine and selected from
the group consisting of

(a) unleaded gasolines having a Reid Vapor Pressure
10 less than 7.0 psi, an octane value of at least 87, a 10% D-86
distillation point no greater than 158 °F, a 50% D-86 distillation
point no greater than 210 °F, a 90% D-86 distillation point no
greater than 315° F., an aromatics content of at least 4.5 volume
percent, and a paraffin content greater than 72 volume percent;

15 (b) unleaded gasolines having a Reid Vapor Pressure
less than 7.0 psi, an octane value of at least 92, a 10% D-86
distillation point no greater than 158 °F, a 50% D-86 distillation
point no greater than 210 °F, a 90% D-86 distillation point no
greater than 315° F., an aromatics content of at least 4.5 volume

90112US.AME

1

Examiner's Copy